

## FINAL REPORT

CERTIFICATE No.: 25551



Boral Cement Limited

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**TEST CERTIFICATE OF:** Tarong Daily Despatch Grade 1 Fly Ash  
**PRODUCED AT:** Boral Cement Limited Tarong  
**TESTED AT:** Berrima Works Laboratory  
**SAMPLE IDENTIFICATION:** TDDFA2305386  
**DATE DESPATCHED:** 7/12/2023

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.1)	≥ 75 %	85 %
LOI (AS 3583.3)	≤ 4.0 %	1.7 %
Moisture (AS 3583.2)	≤ 0.5 %	< 0.1 %
SO <sub>3</sub> (AS 2350.2)	≤ 3.0 %	0.1 %
SiO <sub>2</sub> (AS 2350.2)		72.9 %
Al <sub>2</sub> O <sub>3</sub> (AS 2350.2)		22.5 %
Fe <sub>2</sub> O <sub>3</sub> (AS 2350.2)		0.8 %
Chemical Composition (AS 2350.2)	≥ 70 %	96 %
Total Alkali (AS 2350.2)		0.3 %
Cl (AS 2350.2)	≤ 0.1 %	< 0.01 %

### REMARKS

Sampling not carried out by laboratory. Samples tested as received.



Accredited for compliance with ISO/IEC 17025 - Testing

Marc Smith  
Technical Services Manager



**Building  
something  
great**

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### TEST REPORT – FLYASH

**CLIENT:** BORAL CEMENT – (TECHNICAL)

**FILE NO:** 50/24

**ADDRESS:** 39 Delhi Road, North Ryde, NSW 2113

**REQUEST NO:** 109977

**SAMPLE IDENTIFICATION:** TDDFA2305386

**LAB SAMPLE NO:** 296893

**SOURCE OF SAMPLE:** Boral Cement - Berrima

**DATE SAMPLED:** 07/12/2023

**DATE RECEIVED:** 15/01/2024

**IDENTIFICATION OF CEMENT USED:** Boral Cement SL Berrima Ref. 2022

**TEST METHOD:** AS 3583: Methods of test for supplementary cementitious materials for use with Portland cement

PROPERTY	DATE TESTED	RESULT	TEST METHOD
Relative density	22/01/2024	2.11	AS 3583.5
Relative water requirement	25/01/2024	101%	AS 3583.6
Relative strength 7 days (accelerated)	01/02/2024	99%	AS 3583.6

**Note:**

- Sample supplied by the client and tested as received.

Marc Smith, Parisa Sowti, Violeta Paicu, Mat. File, File

Approved signatory

Date

  
05/02/24

Serial no.

Sam El-Hamawi

CEM109977.SE.1



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This report shall not be reproduced in full without the approval of the Boral MTS Laboratory.  
Test results in this Test Report relate only to the samples tested.

NATA Accredited Laboratory  
Number: 547